

the CARRIER

W6CX



the MOUNT DIABLO AMATEUR RADIO CLUB

ARRL SPECIAL SERVICE CLUB

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Editor: Ken Desloover, N8KHS

Distribution: Jay Caldis, KT6Y Walt Ebbett, KB6QIB

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A Message from the President

Call for Papers - PACIFICON '92

The coordinating committee for the Pacific Division Convention (PACIFICON) is calling for technical papers to be presented at the 1992 Pacific Division convention to be held in Concord California in October of 1992.

Technical papers must be of general interest to the amateur community and can cover any facet of amateur radio. There seems to be an immense interest in TCP/IP and high speed packet, ATV, satellite, and EME communications. General electronic papers are also welcome.

If you have questions please contact me, Pete N6QGN, at KI6WE in northern California. You can also contact PACIFICON by writing to PO BOX 23222, Pleasant Hill, CA 94523.

Summer Picnic

Don't forget the MDARC Summer Picnic at the Lafayette Reservoir on Sunday, July 21. There will be two transmitter hunts this year. See you there and happy hunting!

73's Pete N6QGN

HAPPENINGS

AMATEUR RADIO OPERATORS ASSIST AT "DASH TO THE DEPOT"

On June 9th, the Museum of the San Ramon Valley held a Walk/Run Gold Spike Ceremony at the train depot in Danville, celebrating the railroad's centennial anniversary.

The "Dash to the Depot" started in Alamo and San Ramon at the same time.

The following radio operators furnished communications along the route: Jess Mosher, KI6TB, Jim Shelby, KA6DXY, Walt Ebbett, KB6QIB, John Burch, WB6GHA, Bill Moresi, N6FER and Howard Mount, N6PYR.

At the Depot a simulated telegraph office was set up where the original office was located, using the old sounder, sound box and key. Walt Ebbett, Bill Moresi and Howard Mount manned the station and answered questions from people touring the old depot. Children really enjoyed the exhibit as did the adults. --Walt Ebbett, KB6QIB.

SHOW YOUR SUPPORT FOR S.B. 1372

This is the "Amateur Radio Spectrum Protection Act of 1991", introduced by Senators Albert Gore (D-TN), Carl Levin (D-MI) and Joseph Lieberman (D-CT). It is similar to the House Bill H.R. 73 of the same title, but now in the Senate. Write a letter to both of our Senators and let them know your feelings.

Their Washington addresses are:

The Honorable Alan Cranston
United States Senate
112 Hart Building
Washington, D.C. 20510

The Honorable John Seymour
United States Senate
361 Dirksen Building
Washington, D.C. 20510

Support Amateur Radio, write today.

FROM THE ARRL PACIFIC DIVISION NEWSLETTER

by Charles P. McConnell, W6DPD
Director, ARRL Pacific Division

WARC '92

The FCC has adopted its recommendations for the U. S. position to the World Administrative Radio Conference (WARC '92). These recommendations include the realignment of the Amateur and Broadcasting bands at 7 MHz to eliminate the overlap between the two services while retaining 300 KHz of bandwidth for Amateurs worldwide. A mobile satellite uplink at 2390-2430 MHz is proposed. This would come from the 2390-2450 MHz band, but Amateurs may be able to continue to share the spectrum. Some spectrum around 2.3 GHz is proposed for digital audio broadcasting, but the exact frequencies are not known at this time.

216-220 MHZ BAND PETITION

On June 4, 1991, the ARRL petitioned the FCC for access by Amateurs on a secondary basis to the 216-220 MHz band. Operations would be limited to fixed, point-to-point circuits and would be coordinated so as to avoid interference to primary occupants including maritime mobile. Engineering studies were attached to the petition that show that limited Amateur use of the band is compatible with present and other proposed users, and with television broadcasting in the adjacent band. Access to 216-220 MHz is sought as a partial replacement for the 200-222 MHz band recently allocated to land mobile. See your QST for more information.

H. R. 73 UPDATE

The most recent report lists 105 cosponsors of H. R. 73. There is more to be done on this legislation. Please continue to write your congressman and urge that he or she become a cosponsor.

**RENEW ARRL MEMBERSHIP
THROUGH MDARC**

MT. DIABLO AMATEUR RADIO CLUB MINUTES GENERAL MEETING

Date: June 21, 1991

Time: 8 PM

The meeting was called to order by Pres. Pete Tormey, N6QGN. It was moved, seconded and passed to approve the minutes of the previous meeting as published in the *Carrier*. Guests were introduced and upgrades were announced. Officers present:

Pete Tormey, Pres.	N6QGN
Richard Shappee, V.P.	WA5HQJ
Walt Ebbett, Secty.	KB6QIB
Bert Dawson, Treas.	KB7BGM

Board Member absent:

Mark Curley, Emergency Coordinator

Directors absent:

Larry Gansz	KB2GV
Dick Brown	KT6X

Treasurer Bert reported \$7,317 as the book balance. Membership chairman, George Jones reported that there are now 384 members. Wayne Merryman, Public Service Chairman said there are no activities until the end of July.

Next month the program speaker will be Fred Krock, N6AJV, who will talk about the Bay Area Electric Railroad Association.

An award was presented by Jane Walker to Freda and Don Lucido. President Pete made a presentation to Stan Christian, former *Carrier* editor.

MDARC Annual Picnic will be July 22nd at Lafayette Reservoir.

Bert reported we still need volunteers for the 4th of July fireworks patrol.

Next Board meeting will be at the home of Larry Gansz on June 25th.

The Martinez police department had their communications van parked in the parking lot and was open for inspection prior to and after the meeting.

Contra Costa County Sheriff Richard Rainey was the featured speaker. He has been with the Sheriff's Department since 1964 and has been Sheriff since 1978. He said that planning will start shortly for the "Your Place or Ours"

program on New Year's Eve. The Sheriff's Department is the largest department in the county and enforces the law in unincorporated areas. There are 800 persons per month in the alternative work program, which is for minor offenses. They live at home, pay an administrative fee and are self-supporting. Work furlough trustees also pay a fee but are back in jail for the night.

Respectfully,
WALTER W. EBBETT, Jr.
Secretary

MT. DIABLO AMATEUR RADIO CLUB BOARD MEETING

Date: June 25, 1991

Board Members Present:

Pete Tormey	President
Walt Ebbett	Secretary
Bert Dawson	Treasurer
Mark Curley	Emergency Coord.

Board Members Absent:

Richard Shappee	Vice Pres.
Larry Ganz	Director
Dick Brown	Director

Committee members present:

George Jones	Membership Chmn.
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It was moved, seconded, and passed that the minutes of the last meeting as published in the *Carrier* be approved.

The program for the July General meeting will be Fred Krock, N6AJV, who will talk about the Bay Area Electric Railroad Association.

The Treasurer reported a balance of \$7,317.

Emergency Coordinator Mark Curley had no report, but a discussion was held on Red Cross communications and location of equipment and radio room.

Membership Chairman George Jones reported we now have 387 members, up 3 from the General meeting.

Under New Business, a discussion was held on what is business during your radio communication. The feeling is that our Public Service is not a violation.

A drive-around transmitter hunt was discussed and should be promoted. An additional \$75 was voted for a prize for a second transmitter hunt at the July picnic.

Respectfully submitted,
Walter W. Ebbett, Jr., Secretary

LUNG ASSOCIATION BIKE RIDE

While the rest of the Hams in the area were having fun on Field Day, a few were helping provide communications for the Bobby McGee's Great American Bike Ride for about 1,000 bikers sponsored by the American Lung Association.

This event was actually four rides consisting of a Family Ride of 7 miles; and short, long and longest rides of 20, 35 and 50 miles, respectively. With bikers spread out all over the lower half of the San Ramon Valley, the organizers of the event were highly dependant on the Amateur Radio operators who were able to keep track of the participants and be available to render assistance in the event of mechanical breakdown or rider injury.

In the middle of the bike event, the Olympic torch was carried through a portion of the course and our radio operators were able to provide some communications assistance with that, also.

Participating were Warren, WA6QAZ; and MDARC members Greg, WB6MBD, net control; George, KI6YK; Walt, KB6QIB; Dick, AA6DL; and Jess, KI6TB. Rewarded with a T-shirt for their efforts, the American Lung Association officials expressed their gratitude to the Hams who helped make this a successful event. —George Jones, KI6YK.

MDARC MEETING VISITORS

We were very pleased to welcome the following visitors to the June 21 General Meeting:

Tim E. Beeler, 3317 Wexford Dr., El Paso TX 79925. Tim would like to be a Ham like his grandfather, our V.P., Richard Shappee, WA5HQJ.

Larry Bevier, 1650 Frisbie Ct. #5, Concord CA 94520. Larry admits to being an SWL.

David C. Bonner, N6XHH, 1111 Lakeview Cir., Pittsburg, CA 94565. David is a former member of MDARC and RRRG.

John Miller, KC6SWI, 525 Henrietta St., Martinez, CA 94553

SOUTH COUNTY RACES REPEATER

The South Contra Costa County RACES repeater, K6TI, is back on the air! On Mother's Day someone broke into the repeater site and stole the repeater controller and a 440 control/link radio with its interface. But almost immediately, the repeater owners began receiving offers of help from many concerned hams including other repeater groups. But one offer was too good to refuse - free.

MDARC's vice president, Richard Shappee, KA5HQJ, incensed that anyone, especially a ham, would do such a dastardly thing, offered to build a new controller for the repeater. And now, six weeks later, the repeater is back on the air using the new controller designed and built by Richard almost completely from parts which he had on hand. Besides the fact that the K6TI repeater is back on line to serve the San Ramon Valley for RACES, the Repeater Association is very thankful that there is someone out there with the expertise and the graciousness to really help in its hour of need. Many thanks, WA5HQJ!

The K6TI repeater can be accessed from Walnut Creek to Pleasanton in the San Ramon Valley as well as from the Lamorinda area and this side of the San Francisco Peninsula. It is on 146.355 MHz with a plus split and requires a PL of 100 Hz. You are welcome to use it. —George Jones, KI6YK.

Jacob P. Ruta, KC6OCF, 127 Roxane Ct. #3, Walnut Creek, CA 94596

Joyce D. Shappee, 2955 Corte Miguel, Concord, CA 94518. It's always a pleasure to have the XYL of a member attend a Club Meeting.

Please note the following changes:

James Allan's new address is 61123 Chuckanut Dr., Bend, OR 97702-9096

Mark Curley's new address is 4569 Wildcat Ln., Concord, CA 94521 and his home phone is (415) 676-3247.

Philip Rapp's address is 532 Silver Lake Dr. We regret it was listed incorrectly in the June Carrier.

PORTABLE PACKET RADIO

Packet radio's exact role in disaster communications has yet to be clearly defined. But its marvelous store-and-forward capability is intriguing and was its primary role following the Loma Prieta earthquake, where the bulletin board system allowed thousands of health and welfare messages to be handled locally in the week following that disaster. Certainly, many types of logistical and personnel management traffic are ideally suited to this modality and it is for this reason that many of the Emergency Operating Centers include packet radio equipment.

The health and welfare traffic which we saw following Loma Prieta was where families outside of the area were able to inquire about those in affected and adjacent areas, and affected parties were able to notify far away family members. But another kind of health and welfare traffic for which packet radio might be ideally suited would include that from shelters, hospitals and rally points. But since this type of traffic would originate from sites not likely to contain packet stations, the need for operators with portable packet set-ups seems logical.

For this reason, some encouragement of and training for portable packet seemed in order. South County RACES initiated this earlier in the year with two such sessions. And on June 8th, a County RACES portable packet training exercise was conducted at the Consolidated Fire College in Concord. Eleven members attended and there were five portable packet stations set up operated by Richard, WA5HQJ; Jim, KA6IVF; Skip, KC6JEM; David, KB6UU; and George, KI6YK. Ultimately, some stations were able to send messages to Joe, WA6DQN's portable packet station at the Lafayette Safety Day event using Greg, WB6MBD's home packet station in Walnut Creek as a digipeater.

There were some problems and malfunctions but most were ironed out and each taught a valuable lesson. Different types of gear were demonstrated and a lot of mutual assistance was provided. At the end, all agreed further exercises and more portable packet stations were needed. And it appears the participants left feeling a little closer to being ready for effective portable packet operation. —George Jones, KI6YK.

MEMBERSHIP DIRECTORY UPDATE

by George Jones, KI6YK

MDARC is delighted to welcome the following new members to our club:

ALLEN, Steve; call and Technician licence

pending; P.O. Box 272343, Concord, CA 94527; (415)676-0880(h)

ALLEN, William C. (Will); KC6USS, Technician

610 D Canyon Woods Ct., San Ramon, CA 94583; (415)277-9540(h)

CHAPMAN, Kyle W.; KC6SLA, Technician;

212C Valley Creek Ln., Danville, CA 94526 (415)743-1915(h). Formerly WA6OCC

DEXTER, Warren L.; W6SRR, Advanced; 55

Orchard Rd., Orinda, CA 94563; (415)254-3485(h)

SANDERS, Ivar; W6JDA, General; 177 Front St.,

Suite K, Danville, CA 94526; (415)830-1085(h), (408)559-8544(w)

SMITH, Mark E.; KC6UJL, Technician; 3921

Warbler Dr., Antioch, CA 94509; (415)372-3540(w)

Congratulations to the following on their upgrade and/or new call:

Eskil van Loosdrecht: AB6BC

Walter Moser: General

Jim Pearsall: General

Loren Woolf: General

Ziggy Ziemba: General

It's That Time of Year Again: MDARC Summer Picnic

Don't miss the fun! Test your DF skills and spend some time with your friends in the club. The park admission is \$3, but the club provides soft drinks, plenty of watermelon and a hot barbeque for grilling your lunch and door prizes! If you wish, bring something to share for 12 people.

There is no cost for the picnic, but if you wish you may bring along a dish to share for 12 people. You should also bring your own meat to grill, lawn chairs, and sun shades. Don't forget your nametag! **We ask you to pre-register before July 18**, so we know how many to provide for.

The club picnic will be July 21 at the Lafayette Reservoir. The festivities start around 10 AM and talk-in will be on 147.06+/R & 223.74. The park opens at 6 AM. Fishing requires a state license, and boat rental is available. Park rules: No generators, fireworks, or open fires. Wine and beer are permitted; bring your own.

Transmitter Hunt

There will be two transmitter hunts at the club picnic. Both hunts will be on 2 meters simplex. The first will be a hunt on foot, and the second will be a drive around. If you do not own direction finding equipment there may be some surplus equipment available on a first-come first-serve basis.

Any team transmitting on the hunt frequency will be immediately disqualified -- but you can use other frequencies. The club has allocated an additional \$75 for prizes for the drive around hunt -- so practice may pay off!

Drive-around General Rules

There is no limit to the size of your transmitter hunting team. Team members do not need to be licensed hams. The first prize will go to the team that gets there by driving the least amount of miles. The bunny will transmit for 1 minute, and then be silent for three minutes. The bunny's signal will be readable from the picnic site, but will be somewhere between Moraga and Walnut Creek.

Walk-around General Rules

Teams may be no larger than 3 people. Team members do not need to be licensed hams. Team members must stay within 3 feet of each other to prevent them from "sweeping" the park. The bunny will be somewhere in the park and be visible for at least 10 feet. The bunny will transmit for 1 minute at 300mW, and then be silent for 3 minutes. The fastest team to find the bunny wins!



MDARC Picnic Reservation

Please send by July 17 to George Roush, 2116 Athene Drive, Concord, CA 94519

Name: _____

Call: _____

Address: _____

City: _____

Phone: _____ # Adults: _____ # Children: _____

PACKET RACKET

EARTHQUAKE ROCKS SOUTHERN CALIFORNIA

1:30 p.m.
July 1, 1991

SIERRA MADRE EARTHQUAKE

* Denotes new information has been added.

* CURRENT SITUATION

At 7:43 a.m. Friday morning an earthquake struck the Los Angeles area approximately 8 miles northeast of Pasadena. NEIC and CalTech initially reported it as being 6.2M on the Richter scale; they have downgraded it to a 5.8M.

All EOC's have deactivated.

* PROCLAMATIONS

Local - City of Arcadia
City of Monrovia
City of Pasadena
County of Los Angeles

The county of Los Angeles has requested a Gubernatorial proclamation and an issue paper has gone forward to the Governor's Office.

* DAMAGES

Reported damages were in the minor to moderate range. OES is currently surveying all cities for a total damage report. CCC crews are assisting with debris removal.

* DEATHS/INJURIES

1 Death (Santa Anita Racetrack)
30 Injuries

The press has reported two deaths; however, the Los Angeles County Coroner's Office is only reporting 1 death attributed to the earthquake. We use the Coroner's figures as our official totals.

* DAMAGE ASSESSMENT TEAMS

Damage assessment is continuing. Preliminary Damage Assessment(PDA) teams consisting of local, state, and federal officials are in the area and will begin assessments today. It is anticipated that these inspections will be done before July 4. Their reports will determine

whether or not a Gubernatorial proclamation is warranted.

* SHELTERS

All American Red Cross shelters that had been opened are closed as of today.

DONALD R. IRWIN
Director

---W6HIR @ WA6NWE, WA6HAM # 16051

WHO WILL TAKE 220-222?

In a recent message, KB6GY@K6VE reported that the FCC began accepting applications for use of the 220-222 MHz (formerly Amateur) allocation. FCC TechNews reports that the FCC has received over 50,000 applications for use of these frequencies and that according to sources, there may be an additional 50,000 or more applications that haven't even been logged in yet. Due to the overwhelming volume, the FCC has suspended acceptance of additional applications. Interestingly, the report also states that most of the applications all came from a small group of consulting firms. --KF7VY @ N7IJJ, WA6HAM #16046

THIRD PARTY TRAFFIC AGREEMENT SIGNED WITH THE PHILIPPINES

The Governments of the Philippines and the United States entered into an agreement effective June 4, 1991 permitting the exchange of messages on behalf of third parties. Such messages must be made in plain language and shall be limited to messages of a technical nature and to remarks of a personal character for which, by reason of their unimportance, recourse to the public telecommunications service is not justified, except of course when the immediate safety of life or the immediate protection of property is involved. ---ARRL Bulletin 28, July 2, 1991

K6TI REPEATER ON THE AIR

The South County RACES repeater is back on the air, on 146.355/+ with 100 Hz PL.

**THE MOUNT DIABLO AMATEUR
RADIO CLUB**

Our Savior Lutheran Church
1035 Carol Lane, Lafayette

Next Meeting:

Fred Krock, N6AJV
Bay Area Electric Railroad Assn

**THE ROCKY RIDGE REPEATER
GROUP**

Willow Creek Center
1026 Mohr Lane, Concord

Next Meeting:

July 17 8 PM

Interested persons are welcome

CLUB OFFICERS

	President	
Pete Tormey	N6QGN	680-0920
	Vice President	
Richard Shappee	WA5HQJ	682-1644
	Secretary	
Walter Ebbett	KA6QIB	837-2204
	Treasurer	
Bert Dawson	KB7BGM	372-6536
	Emergency Coordinator	
Mark Curley	N6MIN	672-6960
	Directors	
Dick Brown	KT6X	676-9048
Larry Gansz	KB2GV	356-2411

CLUB REPEATERS

147.06/+	223.74/-	441.325/+
(100 Hz)	(77 Hz)	(100 Hz)

**ROCKY RIDGE REPEATER GROUP
NETS**

	Voice Net	
Thursday	1930 Hours	147.06/+
Net Control	Jay Caldis	KT6Y
	ATV Net	
Thursday	2000 Hours	(after voice net)
Net Control	Mike Scott	N6GOZ
Alternate	Tim Barrett	WD9BIV

**CONTRA COSTA COUNTY
ARES/RACES NETS**

Thursdays 1900 Hours

	Central County 145.680/S	
James House	KA6IVF	372-0345
	East County 146.535/S	
Bill Hall	KB9M	778-0977
	South County 146.355/+	
George Jones	KI6YK	837-9316
	West County 145.110/-	
Rachel Lewellen	KB6LHR	233-5034

QSY to 147.735/- at 1920 Hours
Meeting of all ARES/RACES Nets

**CONTRA COSTA COUNTY
EMERGENCY SERVICES HF NET**

**First Thursday following first
Wednesday**

2000 Hours 3895 KHz
Hank Berriman, W6ZHY, AEC

SHERIFF'S UNIFORMED RESERVE

for information call:

Freda Lucido (Coord)	N6PWT	228-3609
Jane Walker	N6NVA	458-3164
Shirley McGlathery	N6QHF	934-8076

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 5375 Kearny Villa Rd.
 (619) 560-4900
 Tom, K4MK, Mgr.
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 6265 Sepulveda Blvd.
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 Al, K6YRA, Mgr.
 San Diego Fwy. at Victory Blvd.

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CALENDAR of EVENTS

1st Sun	Livermore Swap Meet	Las Positas College, Livermore
2nd Sat	Foothill Flea Market	Foothill College, Los Altos
Aug 3	Reno Hamfest	Reno, Nevada
Sep 27-29	Computer Networking Conference	San Jose
Sep 28	Sonoma Hamfest	Sebastopol, CA
Oct 11-13	Southwestern Division Convention	Scottsdale, AZ
Oct 12	Sierra Hamfest and Computer Fair	Minden, NV
April 10-12, 1992	International DX Convention	Visalia, CA
May 1-3, 1992	San Joaquin Valley Section Convention and 50th Fresno Hamfest	Fresno, CA
Oct 16-18, 1992	PACIFICON '92	Concord, CA



The CARRIER
A newsletter from the
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P. O. Box 23222
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FIRST CLASS MAIL

